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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/771,673 02/03/2004		Parthibhan Parama Guru	112025-0543	3591	
	7590 06/26/2007 MCKENNA, LLP		EXAMINER		
88 BLACK FA	LCON AVENUE		ROBERTS, BRIAN S		
BOSTON, MA	02210		ART UNIT	PAPER NUMBER	
			2616	·	
•			MAIL DATE	DELIVERY MODE	
		·	06/26/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Office Action Summary		Application No.		Applicant(s)	,			
		10/771,673		GURU, PARTHIBHAN PARAMA				
		Examiner		Art Unit				
		Brian Roberts		2616				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY F WHICHEVER IS LONGER, FRC - Extensions of time may be available under after SIX (6) MONTHS from the mailing da - If NO period for reply is specified above, th - Failure to reply within the set or extended p Any reply received by the Office later than earned patent term adjustment. See 37 CI	OM THE MAILING D the provisions of 37 CFR 1. te of this communication. e maximum statutory period period for reply will, by statut three months after the mailin	DATE OF THIS CO 136(a). In no event, how will apply and will expire te, cause the application to	OMMUNICATION ever, may a reply be time SIX (6) MONTHS from to become ABANDONED	. ely filed the mailing date of this co D (35 U.S.C. § 133).				
Status								
1) Responsive to communication	ation(s) filed on <u>03 F</u>	ebruary 2004.						
2a) ☐ This action is FINAL .	This action is FINAL . 2b)⊠ This action is non-final.							
· — · · ·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
4)⊠ Claim(s) <u>1-21</u> is/are pendi	ng in the application	٦.						
,	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠ Claim(s) <u>1-20</u> is/are allowed.								
6)⊠ Claim(s) <u>21</u> is/are rejected								
7) Claim(s) is/are objection								
8) Claim(s) are subject	ct to restriction and/	or election require	ment.					
Application Papers								
9) The specification is objected	ed to by the Examin	er.						
10)⊠ The drawing(s) filed on <u>03 February 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.								
Applicant may not request th								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
11) The oath or declaration is	objected to by the E	xaminer. Note the	e attached Office	Action or form P1	O-152.			
Priority under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:								
1. Certified copies of the priority documents have been received.								
 ·								
3. Copies of the certified copies of the priority documents have been received in this National Stage								
' '	International Burea	•		.a				
* See the attached detailed C	Office action for a lis	t of the certified c	opies not receive	a.				
Attachment(s)		·						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date.								
 2) Notice of Draftsperson's Patient Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 			Notice of Informal P Other:					

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DETAILED ACTION

Claims 1-21 have been examined.

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

- 2. Claim 21 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
 - In reference to claim 21

The term "wild-card rule" renders the claim indefinite. The term "wild-card rule" is not defined by the claim and it is unclear from the specification how a "wild-card rule" differs from a rule in a set of rules.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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4. Claim 21, as best understood, is rejected under 35 U.S.C. 102(e) as being anticipated by Lee et al. (US 2003/0156586)

- In reference to claim 21

Lee et al teaches a data packet parsing system and method that includes:

- Parsing a packet header into a plurality of sections; (paragraph [0028-0029])
- For each section, performing a lookup operation to acquire a set of rules
 associated the section, wherein the set of rules represents one or more rules
 associated with the section; (paragraph [0030])
- For a particular section, determining if a rule in a set of rules is associated
 with a rule (wild-card rule) contained in a rule list (ACL) (paragraph [0033]);
- If so, classifying the data packet based on an action associated with the rule (wild-card rule). (paragraph [0033])

Allowable Subject Matter

5. Claims 1-20 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

- In reference to independent claims 1, 11, 18, and 20

The prior record fails to teach or fairly suggest a system or method that includes determining if each action in a set of actions indicates the same action for all rules represented in the set of rules associated with a section and if so, classifying the data packet based on the action indicated in the set of actions for the particular section.

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Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Lakshman et al. (US 5951651) teaches a packet filter system using bitmap
 vector of filter rules for routing packet through network.
- Muller et al. (US 6453360) teaches a high performance network interface with a parser module.
- Sarkinen et al. (US 2002/0163909) teaches a method and apparatus for providing multi-protocol, multi-stage, real-time frame classification.
- Li et al. (US 6529508) teaches methods and apparatus for packet classification with multiple answer sets.
- Valenci (US 2003/0185220) teaches a method of dynamically loading parsing capabilities.
- Greene (US 6778530) teaches a method and apparatus for multiple field matching in a network device.
- Rosenfeld et al. (US 7027446) teaches a method and apparatus for set intersection rule matching.
- Li et al. (US 7154888) teaches a method for classifying packets using multiclass structures.
- Van Lunteren et al. (US 7193997) teaches a packet classification system and method.

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Roberts whose telephone number is (571) 272-3095. The examiner can normally be reached on M-F 10:00-7:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on (571) 272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

BSR 06/23/2007

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600